

WHAT IS CLAIMED IS:

1. A gate system comprising:

a ticket vending machine for issuing a magnetic  
5 ticket on which a boarding data is recorded  
magnetically and a wireless ticket that transmits  
boarding data through wireless communication;

an automatic gate apparatus for examining the  
ticket according to boarding data of the magnetic  
10 ticket or the wireless ticket; and

an in-compartment ticket processing terminal  
carried by a trainman for processing the wireless  
ticket in a train including a fare adjustment for the  
riding past through the wireless communication with  
15 the wireless ticket.

2. A gate system according to claim 1, wherein  
the ticket vending machine issues a magnetic ticket  
when the boarding section is a short-distance and a  
20 wireless ticket for a long-distance.

3. A gate system according to claim 1, wherein  
the ticket vending machine issues a wireless ticket  
when the boarding data is a specific condition.

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4. A gate system according to claim 2, wherein

the wireless ticket includes:

storage means for storing boarding data as a  
ticket; and

5 display means for displaying data based on the  
boarding data stored in the storage means.

5. A gate system according to claim 4, wherein  
the ticket vending machine includes:

10 change input means for inputting the change of  
boarding data stored in the storage means of the  
wireless ticket; and

means for recording the boarding data changed by  
the change input means into the wireless ticket.

15 6. A gate system according to claim 4, wherein  
the in-compartment processing terminal includes:

change input means for inputting the change of  
boarding data stored in the storage means of the  
wireless ticket; and

20 means for recording the boarding data changed by  
the change input means into the wireless ticket.

7. A gate system according to claim 4, wherein  
the automatic gate apparatus includes:

25 wireless ticket processing means for processing  
the wireless ticket based on the boarding data

including identification data stored in the wireless ticket;

wherein the in-compartment processing terminal includes:

5 reissue means for reissuing a wireless ticket when the wireless ticket was lost and not processed by the wireless ticket processing means.

8. A gate system according to claim 2, wherein  
10 the wireless ticket includes:

storage means for storing boarding data as a ticket;

display means for displaying the boarding data stored in the storage means and using state; and

15 changing means for changing the display of the display means according to the change in the boarding data or using state.

9. A gate system comprising:

20 a ticket vending machine for issuing a magnetic ticket on which a boarding data is recorded magnetically and a wireless ticket that transmits boarding data through wireless communication;

a center for storing boarding data of tickets issued through the ticket vending machine;

25 wherein the ticket vending machine includes:

- reading means for reading the boarding data recorded on the wireless tickets as the ticket;
- display means for displaying the boarding data read by the reading means;
- 5       directing means for directing the change of boarding data based on the boarding data displayed on the display means; and
- update means for updating the boarding data recorded on the wireless ticket based on the change
- 10      data of a boarding condition when the change of the boarding condition indicated by the directing means is approved by the center.
10. A gate system according to claim 1, wherein
- 15      the wireless ticket is applied with the invalidating process only at the time of final use and not recovered.
11. A ticket processing terminal comprising:
- 20      a receiver for receiving boarding data from a wireless ticket on which the boarding data is recorded through wireless communication;
- a display for displaying the boarding data received by the receiver;
- 25      an operation unit for directing change of the boarding data displayed on the display; and

a processing unit for updating the boarding data of which change is indicated by the operation unit through the wireless communication.

5        12. The ticket processing terminal according to claim 11, further comprising:

a wireless communication controller that transmits the boarding data of which change is indicated by the operation unit to a storage unit  
10 storing the boarding data for plural wireless tickets and receives propriety of change of boarding data transmitted from the storage unit;

wherein the processing unit updates boarding data of the wireless ticket through the wireless communication when it is received that the boarding data can be changed by the wireless communication controller.  
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13. A gate system comprising:

20        a ticket vending machine for recording boarding data on a wireless ticket and issuing the wireless ticket that is capable of making wireless communication; and

25        a ticket processing terminal operated in a train for changing the boarding data through the wireless communication with the wireless ticket.

14. A gate system according to claim 13, further comprising:

a storage unit for storing the boarding data  
5 recorded on the wireless tickets issued by the ticket vending machine;

wherein the ticket processing terminal includes:

first receiving means for receiving boarding data from the wireless ticket through the wireless  
10 communication;

display means for displaying the boarding data received by the first receiving means;

means for directing the change of the boarding data displayed on the display means; and

15 means for transmitting the boarding data of which change is indicated by the directing means to the storage unit;

wherein the storage unit includes:

means for judging whether the boarding data  
20 transmitted from the transmitting means of the ticket processing terminal based on the stored boarding data is changeable; and

means for transmitting the result of judgment of the judging means to the ticket processing terminal;

25 wherein the ticket processing terminal further includes second receiving means and means for updating

the boarding data of the wireless ticket through the wireless communication when the judging result that the boarding data is changeable is received by the second receiving means from the transmitting means of  
5 the storage unit.

15. A boarding data changing method of a ticket, comprising the steps of:

storing boarding data when a ticket recording the  
10 boarding data is issued from a ticket vending machine;  
receiving an input of a direction to change the  
boarding data of the ticket issued from the ticket  
vending machine or a ticket processing terminal;  
judging propriety of the change based on the  
15 stored boarding data when the input of a direction is  
received;  
transmitting the result of judgement in the  
judging step to the ticket processing terminal; and  
updating the boarding data to the change contents  
20 based on the change process contents when the changing  
process was executed in the ticket processing terminal  
that received the result of judgement.

16. An boarding data changing method of a ticket,  
25 comprising the steps of:

receiving boarding data from a wireless ticket

storing the boarding data through wireless communication;

displaying the received boarding data;

directing the change of the displayed boarding

5 data;

transmitting the change directed boarding data to a storage unit storing the boarding data;

receiving the result of judgement as to whether the change of the boarding data of which change is

10 directed is possible; and

updating the boarding data of the wireless ticket through the wireless communication when the result of judgement that the change is possible is received.

15 17. An boarding data changing method of tickets according to claim 16, wherein the updated boarding data is transmitted to the storage unit when the boarding data of the wireless ticket is updated.